

# PATENT ABSTRACTS OF JAPAN

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(71)Applicant : **DAINIPPON INK & CHEM INC**

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## (54) PRODUCTION OF VINYL POLYMER

### (57)Abstract:

**PURPOSE:** To produce a polymer low in content of residual unreacted monomer and free of odor originated in monomer, by passing a gas through the polymerization system after suspension-polymerizing a vinyl monomer in the presence of water as a medium.

**CONSTITUTION:** A vinyl monomer (e.g., styrene monomer, conjugated diene monomer, acrylic monomer or vinyl chloride monomer) is suspension-polymerized in an aqueous medium in a usual manner (wherein common additives such as polymerization initiator, MW modifier, polymerization stabilizer and so on may be used). A gas (e.g., air, nitrogen or argon) is passed through the resulting polymer suspension at a temperature = $T_g$  of the desired polymer - about 30°C to remove residual unreacted monomer by entrainment on the gas.